

CLIMATOLOGICAL DATA FOR APRIL, 1913.

DISTRICT NO. 10, GREAT BASIN.

ALFRED H. THIESSEN, District Editor.

GENERAL SUMMARY.

The weather for the month of April was nearly normal for the district as a whole. The temperatures averaged slightly below normal, but were much higher than in April last year. The precipitation averaged somewhat below normal and much below the April average of 1912. The preceding month was cold and in consequence the farming conditions at the end of April were somewhat backward, but the month itself was favorable.

On the morning of the 22d the weather map showed an energetic high pressure area over the Northwest, with a low barometer over the Rockies. This condition is always favorable for frost, and on the following morning minimum temperatures ranging from 22° to 30° were reported in the fruit districts of Utah. Cherries were greatly damaged, while losses in garden truck and grain were sustained to a lesser degree. In Nevada light frost occurred on the 15th, doing some damage in the extreme southern portion of the State; and frosts that occurred after the 20th farther north, and especially the killing frost and freezing temperatures of the 29th and 30th did considerable damage to early fruit and alfalfa. There were many complaints of high winds which not only raised considerable dust, making it very disagreeable, but on the 15th reached an estimated velocity at Mid-lake, Utah, of 70 miles per hour, which caused waves so strong and high that immense holes were made in the rock fill at the cut-off, requiring a thousand or more loads of rock to repair the damage.

TEMPERATURE.

The mean temperature for the district was 46.5° , or 0.4° below normal, and varied locally from 36.4° at Glenbrook, Nev., to 54.4° at Low, Utah. The warmest places were in the lower counties of the Utah and in the southern portion of the Nevada areas; and the coldest in the high counties of the Utah and Wyoming areas. Most of the stations reported temperatures below normal. As a rule the greatest minus departures occurred in the Nevada area, and the greatest plus departures in the Utah and Wyoming areas. Kelton, Utah, reported the greatest deficiency in temperature, its mean being 43.5° , or 5.5° below normal; while Border, Wyo., reported the greatest excess in temperatures, its mean being 41.4° , or 3.2° above normal.

The following were the highest temperatures that occurred in the various areas of the several States of this

district: 75° at Cokeville, Wyo., on the 17th; 77° at Grace, Idaho, on the 16th, 19th, and 21st; 90° at Low, Utah, on the 14th; 79° at Burns, Oreg., on the 25th; 66° at Cathedral Park, Cal., on the 25th; and 82° at Lahontan on the 25th and at Lovelocks and Oasis Ranch, Nev., on the 26th.

The lowest temperatures were: 14° at Border, Wyo., on the 16th; 15° at Grace, Idaho, on the 23d; 1° at Woodruff, Utah, on the 10th; 10° at Cliff, Oreg., on the 23d; 6° at Tahoe, Cal., on the 30th; and 5° at Tecoma, on the 11th and at Halleck, Nev., on the 23d.

Cold weather prevailed generally during the first decade and many stations reported their lowest temperatures for the month during this period. The middle decade was much warmer, and the highest temperature for the month was reached at a few stations. Cold weather again set in on the 20th and continued for about 5 days, when the temperature rose again.

PRECIPITATION.

The precipitation for the district averaged 0.92 inch, which is 0.21 inch below normal. The larger amounts occurred in the Utah area and especially in the mountain counties, while the lesser amounts were recorded in the western and southern portions of the Nevada area.

The greatest local monthly amount was 5 inches at Cathedral Park, Cal.; a few stations reported only a trace, and at Kelton, Utah, no rain fell.

There were two well-defined periods of general rainfall; one extending from the 1st to the 8th, and the other from the 14th to the 19th. During the last few days of the month there was also rain in parts of the Oregon and California areas.

MISCELLANEOUS PHENOMENA.

The average number of clear days for the district was 14; partly cloudy days, 9; cloudy days, 7; and rainy days, 3.

Thunderstorms were reported at stations in the Utah, Nevada, and Wyoming areas, and hail fell in parts of Utah and Nevada.

The wind blew generally from the southwest with an average hourly velocity of 8.7 miles. The highest recorded velocity was 50 miles per hour from the southwest at Modena, Utah, on the 28th.

The observer at Lewers Ranch, Nev., reported a slight earthquake at 1 p. m. on the 27th.

TABLE 1.—Climatological data for April, 1913. District No. 10, Great Basin.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeted.	Number of rainy days 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
<i>Wyoming.</i>																					
Border.	Lincoln.	6,085	11	41.4	+ 5.2	71	14	16	23	48	0.33	- 0.65	0.33	1.4	2	8	12	10	w.	S. W. Condron.	
Cokeville.	do.	6,204	3	37.8	-	75	17*	10	23	54*	0.99	-	0.45	5.9	4	18*	5*	6*	w.	E. J. Trekkett.	
Evanston.	Uinta.	6,860	17	40.6	+ 2.0	67	27	8	23	31	0.88	-	0.35	0.68	5.0	3	12	14	4	sw.	Frank Tucker.
<i>Idaho.</i>																					
Geneva.	Bear Lake.	6,171	4	47.9	-	77	16†	15	23	52	0.73	-	0.41	1.0	3	21	7	2	n.	F. W. Boehme.	
Grace.	Bannock.	5,400	6	47.9	-	78	16†	15	23	52	0.04	-	0.02	0.2	3	14	8	3	n.	E. W. Joy.	
Paris.	Bear Lake.	5,946	18	47.0	+ 1.8	75	14†	18	23	50	0.81	-	0.64	0.28	0	4	15	9	6	sw.	John Norton.
Weston.	Franklin.	4,460	14	47.0	+ 1.8	75	14†	18	23	50	0.81	-	0.64	0.28	0	4	15	9	6	sw.	Wm. T. Chatterton.
<i>Utah.</i>																					
Alpine.	Utah.	4,900	14	42.4	-	73	26	14	7†	50	1.50	-	0.55	1.00	-	2	19	7	4	sw.	T. F. Carlisle.
Beaver.	Beaver.	6,000	9	42.4	-	73	26	14	7†	50	0.36	-	0.15	0.65	-	3	13	15	2	s.	M. J. Shelton.
Black Rock.	Millard.	4,872	9	47.2	-	78	26†	17	12	58	0.80	-	0.40	0	3	22	6	2	s.	W. D. Livingston.	
Brigham City.	Boxelder.	4,305	-	50.8	-	77	14†	26	23	33	1.80	-	0.90	-	5	-	-	-	s.	N. M. Valentine.	
Burville.	Sevier.	6,800	2	41.7	-	69	28	16	10	45	0.20	-	0.10	0.10	-	3	-	-	s.	F. R. Curtis.	
Castle Rock.	Summit.	6,244	8	-	-	-	-	-	-	-	1.16	-	0.70	10.5	7	8	12	10	w.	David Moore.	
Cedar City.	Iron.	5,750	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	Parley Dailey.	
Center.	Tooele.	4,250	2	46.3	-	77	26†	20	24	44	0.74	-	0.58	3.0	3	10	15	5	n.	L. C. Peterson.	
Clarkston.	Cache.	5,930	1	-	-	-	-	-	-	-	1.65	-	0.65	-	3	15	8	7	s.	W. J. Griffiths.	
Corinne.	Boxelder.	4,240	43	47.5	- 3.1	77	27†	20	23	44	0.75	-	0.34	0.40	0	3	7	7	16	se.	A. C. Murphy.
Deseret.	Millard.	4,541	18	49.4	-	80	26	21	9	52	0.79	-	0.41	0.27	0	3	17	4	9	s.	S. W. Westen.
Elberta.	Utah.	4,650	11	51.1	+ 1.5	80	27	23	8	44	0.44	-	0.34	-	3	16	9	5	s-n.	D. C. Walkey.	
Enterprise.	Washington.	5,750	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	John Day.	
Eriksen.	Tooele.	6,000	1	-	-	-	-	-	-	-	1.64	-	1.12	-	4	-	-	-	-	s.	N. W. Erickson.
Fairfield.	Utah.	4,866	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	Charles Boylin.	
Farmington.	Davis.	4,267	12	49.8	-	75	13†	23	23	37	1.99	-	0.98	6.0	5	24	3	3	sw.	J. J. Starley.	
Fillmore.	Millard.	5,100	21	51.0	+ 0.9	82	27	21	23	42	0.83	-	0.84	0.40	-	5	-	-	-	s.	Heber C. Cutler.
Garland.	Boxelder.	4,248	1	49.1	-	77	14†	24	22	42	1.71	-	0.72	2.0	4	4	22	4	s.	E. M. Smith.	
Garrison.	Millard.	4,850	9	50.3 ^k	-	77	27†	23	3†	48	0.45	-	0.25	2.3 ^k	-	2	13 ^k	4 ^k	s.	Walter James.	
Government Creek.	Tooele.	5,277	12	47.5	+ 0.6	76	26	17	23	36	1.68	+ 0.37	1.13	10.0	4	21	4	5	s.	George E. Greene.	
Granger.	Salt Lake.	4,560	1	48.8	-	78	26	26	9†	33	1.15	-	0.85	-	3	-	-	-	s.	Monte Barrus.	
Grantsville.	Tooele.	4,220	6	-	-	-	-	-	-	-	1.58	-	1.05	-	4	10	18	2	sw.	Philip Faskett.	
Grouse Creek.	Boxelder.	5,148	3	-	-	-	-	-	-	-	0.56	-	0.43	0.40	-	2	10	8	12	s.	John Crook.
Heber.	Wasatch.	5,593	20	45.2	+ 0.8	75	15†	18	11	50	0.85	-	0.43	0.40	-	5	15	8	7	s.	William Brewer.
Henefer.	Summit.	5,301	13	44.7	+ 0.8	74	17†	18	10	50	1.40	-	0.10	0.70	-	5	11	9	10	w.	T. M. Jones.
Hooper.	Weber.	4,436	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	John J. Watson.	
Ibex.	Millard.	5,250	2	50.2 ^a	-	75	21	27	7†	36	0.62	-	0.32	-	2	9†	4	11	s.	Geo. K. Hubbell.	
Iosepa.	Tooele.	4,356	2	50.8	-	80	27	25	8	44	1.25	-	0.80	-	3	11	7	12	n.	Gladys Mikesell.	
Joy.	Juab.	5,000	1	54.2†	-	74	27	24	23	44	0.00	-	0.00	0	0	-	-	-	s.	Joseph Jensen.	
Junction (near).	Piute.	6,000	1	-	-	-	-	-	-	-	0.31	-	0.22	-	2	25	5	0	s.	George Crane.	
Kanosh.	Millard.	5,250	6	-	-	-	-	-	-	-	1.34	-	0.46	-	4	-	-	-	s.	F. W. Klock.	
Kelton.	Boxelder.	4,230	33	43.5	- 5.5	70	14†	15	4†	45	0.35	-	0.35	0.35	-	1	0	28	2	s.	Agent S. P. Co.
Lemay.	do.	4,221	2	56.0	-	80	18†	32	9†	39	T.	-	0	10	16	4	17	6	7	s.	William Brown.
Levan.	Juab.	5,010	23	47.8	+ 1.2	75	26†	21	23	41	1.22	-	0.47	0.46	2.9	3	15	12	3	sw.	Utah Experiment Station.
Logan.	Cache.	4,507	22	48.8	+ 1.1	74	12	24	23	35	1.65	+ 0.06	0.93	-	5	2	15	6	9	s.	Agent W. P. Ry.
Low.	Tooele.	4,602	2	54.4	-	90	14	28	8	47	0.50	-	0.25	-	-	-	-	-	-	e. & s.	C. C. Herrington.
Lucin.	Boxelder.	4,504	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	J. M. Andersen.	
Manti.	Sanpete.	5,375	18	49.0	+ 2.2	74	26†	20	10	45	1.13	+ 0.07	0.60	2.4	5	5	0	25	-	sw.	J. M. Andersen.
Maple Creek.	Utah.	4,890	2	-	-	-	-	-	-	-	1.86	-	0.72	-	4	8	11	11	11	s.	Lewis W. Gillilan.
Marion.	Summit.	6,400	8	-	-	-	-	-	-	-	0.86	-	0.33	7.0	6	11	4	15	nw.	Jas. Woolstenhulme.	
Marysville.	Piute.	6,180	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	John W. Henty.	
Meadowville.	Rich.	6,200	12	42.8	+ 1.7	74	27	20	3†	44	0.95	-	0.93	0.90	2.0	2	22	2	6	w.	J. S. Moffat.
Midlake.	Boxelder.	4,235	2	51.0	-	69	28†	33	23	31	0.40	-	0.30	0.30	0	2	16	6	8	s.	S. M. Gibson.
Midvale.	Salt Lake.	4,365	1	49.6	-	81	27	25	6†	43	2.56	-	1.27	-	-	6	16	10	4	s.	M. J. Joy.
Milford.	Beaver.	4,962	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	Agent Salt Lake Route.	
Mills.	Juab.	4,911	1	-	-	-	-	-	-	-	0.21	-	0.12	-	4	-	-	-	s.	George McCune.	
Millville.	Cache.	4,848	18	-	-	-	-	-	-	-	0.88	-	0.82	0.40	-	5	6	22	2	s.	Fred Yeates.
Minersville.	Beaver.	5,070	11	-	-	-	-	-	-	-	0.79	-	0.41	0	3	15	12	3	sw.	Fred R. Prvor.	
Modena.	Iron.	5,479	12	45.4	- 1.5	72	27	19	15	46	0.37	-	0.42	0.36	T.	3	18	7	5	w.	U. S. Weather Bureau.
Morgan.	Morgan.	5,068	8	48.4	-	77	26	20	23	44	1.12	-	0.75	-	2	27	13	0	s.	E. O. Kingston.	
Moroni.	Sanpete.	5,519	5	46.7	-	73	27†	21	7†	40	0.83	-	0.59	T.	4	9	10	11	sw.	B. F. Eliason.	
Mosida.	Utah.	4,510	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	L. B. Curtis.	
Nephil (near).	Juab.	5,119	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	s.	S. Boswell.	
Neocastle.	Iron.	5,150	1	-	-	-	-	-	-	-	0.42	-	0.17	-	3	-	-	-	s.	T. W. Jones.	
Oak City.	Millard.	4,900	6	50.8	-	81	26	21	23	47	0.90	-	0.34	3.0	3	8	13	9	s.	Peter Nielsen.	
Odgen.	Weber.	4,310	42	47.6	- 5.0	79	27	22	7	46	0.88	-	0.50	0.64	T.	3	13	7	10	s.	A. Van De Graaff.
Panguitch.	Garfield.	6,560	1	42.5	-	70	26	14	8	49	0.08	-	0.07	0.07	-	2	27	2	1	s.	Harry L. Stremble.
Park City.	Summit.	7,800	8	39.8	-	68	4†	9	16	57</											

TABLE 1.—*Climatological data for April, 1913. District No. 10—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.								Precipitation, in inches.								Sky.	Prevailing wind direction.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.				
<i>Utah—Continued.</i>																						
Wendover.....	Tooele.....	4,237	1	53.4	.....	82	26	18	1	34	0.15	.....	0.10	0	2	12	15	3	sw.	J. S. Cooper.
Whiskey Creek.....	Millard.....	4,850	2	36.7 ^f	- 4.1	70	17	1	10	62	0.15	- 0.69	0.15	1	sw.	Geo. Stevens.	
Woodruff.....	Rich.....	6,500	10	1	sw.	A. L. Eastman.	
<i>Oregon.</i>																						
Burns.....	Harney.....	4,157	22	44.0	+ 0.6	79	25	13	2	45	0.99	+ 0.44	0.36	9.0	6	6	11	13	sw.	J. C. Welcome, jr.		
Cliff.....	Lake.....	4,300	6	40.2	.....	75	25	10	23	50	0.70	.....	0.22	3.5	6	1	15	14	nw.	John C. Green.
Paisley.....	do.....	4,500	10	45.2	.....	72	9 ^f	23	61	48	0.34	.....	0.17	3.0	3	19	6	5	n.	C. M. Sain.
Silver Lake.....	do.....	4,700	16	43.0	+ 0.2	74	24	15	28 ^f	46	0.90	+ 0.12	0.30	4.0	5	14	14	2	sw.	G. W. Marvin.		
<i>California.</i>																						
Cathedral Park.....	Eldorado.....	6,400	0	39.2	.....	66	25	17	6	29	5.00	.....	1.80	17.5	9	12	7	11	s.	Carl Fluegge.
Tahoe.....	Placer.....	6,240	2	37.1	.....	65	26	6	30	34	1.82	.....	0.55	17.0	6	16	3	11	w.	R. M. Watson.
Truckee.....	Nevada.....	5,819	41	.....	.....	.....	.....	7	30	22	1.50	- 0.49	0.40	15.0	7	17	0	13	s.	Southern Pacific Co.
<i>Nevada.</i>																						
Austin.....	Lander.....	6,594	24	42	45.4	- 4.4	80	26	6	3	50	0.56	- 0.20	0.55	0	2	24	0	6	n.	F. O. Booe.	
Battle Mountain.....	do.....	4,843	42	45.3	- 4.0	79	26	14	1	61	0.13	- 0.54	0.09	0	2	18	9	3	.....	Southern Pacific Co.	
Beowawe.....	Eureka.....	4,905	42	45.3	- 4.0	79	26	14	1	61	0.13	- 0.54	0.09	0	1	16	7	7	n.	Do.		
Carlin.....	Elko.....	5,232	42	48.8 ^f	- 4.6	80 ^f	12 ^f	20 ^f	7 ^f	54 ^f	0.75	+ 0.17	0.75	0	1	.....	.....	.....	n.	Do.
Carson Dam.....	Churchill.....	4,032	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	U. S. Reclamation Service.
Cherry Creek.....	White Pine.....	6,450	5	44.7	.....	77	27	20	23	39	1.16	.....	0.42	5.0	8	13	9	8	w.	J. H. Leishman.
Clover Valley.....	Elko.....	6,000	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	I. F. Wiseman.
Dry Farm.....	Esmeralda.....	5,750	6	47.7	.....	76	26	19	3	39	0.37	.....	0.19	1.0	4	19	9	2	sb.	A. Booth.
Elko.....	do.....	5,600	1	43.9	.....	74	26	20	23	44	1.16	.....	0.76	0	6	.....	.....	.....	.....	Walfrid Sohlman.
Euroka.....	Euroka.....	5,432	42	44.8	+ 0.1	80	14	12	3	53	0.30	- 0.24	0.30	T.	1	18	2	10	w.	Western Pacific Co.		
Fallon.....	Churchill.....	6,500	15	42.8	- 3.0	72	26	11	6	42	1.68	+ 0.61	0.57	7.5	7	12	10	8	s.	Clay Simms.		
Fernley.....	Lyon.....	3,965	19	49.3	- 0.7	81	26	17	7	49	0.25	- 0.07	0.19	0	2	16	5	9	se.	U. S. Experiment Station.		
Gardnerville.....	Douglas.....	4,200	40	45.5	- 1.9	81	25	17	7	50	0.09	- 0.29	0.05	0	2	15	14	1	w.	Mrs. G. A. Steele.		
Gerlach.....	Washoe.....	4,830	22	47.5	- 0.7	75	25	18	7	43	0.17	- 0.50	0.09	0	3	19	1	10	.....	Forest Service.	
Hawthorne.....	do.....	3,931	0	.....	.....	.....	.....	.....	.....	.....	0.03	.....	0.03	0.3	1	4	0	26	.....	Western Pacific Co.
Jean.....	Lincoln.....	6,055	9	39.0	.....	75	17	6	8 ^f	65	1.90	.....	4	.....	4	12	8	10	w.	Mrs. J. F. Wambolt.
Lahontan.....	Douglas.....	6,420	4	36.4	.....	59	23	14	15	34	1.40	.....	0.50	13.0	4	12	8	10	w.	C. C. Henningsen.
Lewis Ranch.....	Humboldt.....	4,697	34	50.6	+ 2.6	78	27	20	20	45	0.81	+ 0.25	0.41	T.	3	5	15	10	w.	Southern Pacific Co.		
Lida.....	Elko.....	5,631	20	44.4	+ 0.9	77	26	5	23	60	1.00	+ 0.23	0.70	2.5	3	17	9	4	w.	Do.		
Mineral.....	Clark.....	4,569	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	G. B. Stannard.
Rebel Creek.....	Churchill.....	2,074	5	51.2	.....	82	25	28	6 ^f	40	0.31	.....	0.24	0	2	20	7	3	w.	Salt Lake Route.
Reno.....	Washoe.....	4,200	1	55.0	- 1.0	76	25	15	30	43	0.40	- 1.01	0.40	T.	1	8	18	4	.....	U. S. Reclamation Service.	
Soda Lake.....	Esmeralda.....	6,037	0	46.8	.....	74	26 ^f	20	15	37	0.03	.....	0.03	0	1	26	0	4	.....	Ross Lewers.
Tecoma.....	Humboldt.....	3,977	19	46.6	- 4.2	82	26	11	5	58	0.07	- 0.12	0.05	T.	2	16	9	5	sw.	L. F. Detwiler.		
Tonopah.....	White Pine.....	4,700	23	45.8	+ 0.4	78	26	15	31	45	1.19	+ 0.36	1.32	1.9	6	14	9	7	sw.	A. P. Tilford.		
Wabuska.....	Nye.....	6,338	22	43.8	+ 1.6	74	26	15	31	45	1.19	- 0.05	0.43	T.	4	15	9	6	s.	Scott Sterling.		
Winnemucca.....	Mineral.....	6,002	5	45.1	.....	78	26	10	3	50	0.56	.....	0.45	0	2	13	5	12	s.	R. E. Middagh.
Winnemucca.....	Esmeralda.....	5,106	0	50.4	.....	80	25	3	45	0.07	.....	0.07	0.7	1	15	0	15	se.	Fred J. Jones.	
Winnemucca.....	Nye.....	6,990	8	40.4	- 4.1	82	26	21	8	45	0.27	.....	0.24	0	2	19	10	1	s.	A. S. Patterson.	
Winnemucca.....	Humboldt.....	4,850	11	.....	.....	69	25 ^f	15	31	44	0.40	- 0.35	0.40	0	1	7	8	15	s.	Miss Mamie Potts.
Winnemucca.....	do.....	1	45.8	.....	78	25	14	6 ^f	52	1.07	.....	0.41	1.0	7	15	7	8	sw.	F. M. Payne.	
Winnemucca.....	Washoe.....	4,532	42	46.6	- 0.7	77	25	23	6	40	0.47	- 0.14	0.47	T.	1	13	8	9	w.	E. J. Hyatt.		
Winnemucca.....	Churchill.....	4,534	6	49.5	.....	80	25 ^f	25	31	44	0.06	.....	0.06	T.	1	11	14	5	sw.	U. S. Weather Bureau.
Winnemucca.....	Elko.....	4,812	35	45.2	- 1.9	80	26 ^f	5	11	66	0.06	- 0.57	0.04	0	2	5	23	2	w.	U. S. Reclamation Service.		
Winnemucca.....	Nye.....	6,090	8	46.4	.....	72	26	21	15	20	0.49	.....	0.37	4.2	3	16	10	4	se.	Southern Pacific Co.
Winnemucca.....	Lyon.....	4,347	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. G. Young.
Winnemucca.....	Elko.....	5,631	41	44.8	- 0.2	76	25	20	22	46	0.20	- 0.47	0.15	0.5	2	18	6	8	w.	Southern Pacific Co.		
Winnemucca.....	Humboldt.....	4,432	34	46.6	- 0.5	77	26	17	6	42	1.09	+ 0.21	0.92	0.4	6	9	7	14	sw.	U. S. Weather Bureau.		

*, b, o, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for April, 1913. District No. 10, Great Basin.*

TABLE 2.—*Daily precipitation for April, 1913. District No. 10—Continued.*

Stations.	Watershed.	Day of month.																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total.		
<i>Oregon.</i>																																		
Ana River.....	S. E. drainage.....	.15	T.	05	T. .02	37	
Bear Valley.....	do.....	.24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15	09 .13 .06	1.81
Burns.....	do.....	.36	.....	.02	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	06 .02	T. 0.99
Burns Mill.....	do.....	.40	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10 .05	T. 1.21
Christmas Lake.....	do.....	.46	.08	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	07 .02	T. 0.97
Cliff.....	do.....	.22	.....	.08	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	08 .03	T. 0.70
Diamond.....	do.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19 .27 .11	T. 1.67
Embodys.....	do.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	06 .07	T. 0.69
Fort Rock.....	do.....	25	.05	T.	T.	.06	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30 .30 .10	T. 2.66
Paisley.....	do.....	15	.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10 .05	T. 0.90
Seneca.....	do.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	02 .04	T. 0.34
Silver Lake.....	do.....	30	T.	.....	15	06	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10 .05	T. 0.90
Valley Falls.....	do.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	02 .04	T. 0.34
<i>California.</i>																																		
Bijou.....	Truckee.....	17	T.	.04	.....	37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	41	.....	T.	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	10 .20	T. 1.09
Boca.....	do.....	.02	T.	.....	05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20	.....	T.	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	10 .20	T. 0.67
Bridgeport.....	East Walker.....	.04	05	1.80	1.40	05	10	06 .07	T. 0.10	
Cathedral Park.....	Truckee.....	* .50	.30	.....	80	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	90	.....	T.	20	.....	.....	.....	.....	.....	.....	.....	.....	37 .49	T. 5.00	
Deer Park.....	do.....	.30	.16	.....	90	68	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	12	T.	T.	02	12	.....	.....	.....	.....	.....	.....	.....	06 .07	T. 4.58
Hobart Mills.....	do.....	.08	.02	02	.....	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	05 .20	T. 0.62	
Lundy.....	East Walker.....	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	05 .20	T. 2.12
McKinney.....	Truckee.....	.22	.23	10	.24	75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	05 .20	T. 0.65
Markleeville.....	East Carson.....	.26	.....	.....	39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 0.35
Shields Ranch.....	East Walker.....	.06	.....	.....	*	08	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 0.71
Silver Creek.....	East Carson.....	.30	.....	.....	41	55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 0.20	
Tahoe.....	Truckee.....	.....	08	.....	25	55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 1.82	
Tallac.....	do.....	30	T.	T.	.05	.45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40	T.	40	T.	05	T.	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 1.25
Truckee.....	do.....	T.	.10	.20	10	.30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 1.50	
Woodfords.....	West Carson.....	.06	.14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 0.20
<i>Nevada.</i>																																		
Arthur.....	Humboldt.....	.50	.30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 1.80
Austin.....	Reese.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	05 .06	T. 0.56
Battle Mountain.....	Humboldt.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	01	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 0.13
Beowawe.....	do.....	T.	.04	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 0.75
Carlin.....	do.....	.75	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 1.16
Cherry Creek.....	do.....	12	.42	01	.....	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 0.37
Clover Valley.....	Desert.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10	.....	03	19	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 1.16	
Columbia.....	Humboldt.....	.05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 0.30
Dry Farm.....	Humboldt.....	.10	.09	.....	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	01	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 0.30	
Elko.....	do.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 1.08
Eureka.....	do.....	.57	.....	.....	.....	55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	03	.....	08	38	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 0.25	
Fallon.....	Carson.....	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	06	.....	04	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 0.09	
Fernley.....	Truckee.....	.05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	09	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 0.17	
Gardnerville.....	Carson.....	.....	07	.....	.....	01	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	09	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 0.13	
Gerlach.....	Desert.....	.03	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 0.30	
Geyser.....	Humboldt.....	* .50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30	20	*	1.40	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 1.40	
Glenbrook.....	Truckee.....	.....	.....	.....	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30	20	*	40	41	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 0.81	
Golconda.....	Humboldt.....	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 1.00	
Halleck.....	do.....	.70	.20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 1.33	
Hawthorne.....	Desert.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 1.33	
Hylton.....	Truckee.....	.40	T.	.....	30	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	01 .01	T. 0.31	
Jean.....</																																	

* Precipitation included in that of the next measurement.

† Separate dates of falls not recorded.

Precipitation for the 24 hours ending on the morning when it is measured.
Precipitation is less than 0.01 inch rain or melted snow.

T. Precipitation is less than 0.01 inch rain or melted snow

TABLE 3.—Maximum and minimum temperatures at selected stations for April, 1913. District No. 10, Great Basin.

Date.	Burns, Oreg.	Nevada.																										
		Cherry Creek.		Elko.		Eureka.		Fallon.		Lida.		Lovelocks.		Millett.		Mina.		Rebel Creek.		Reno.		Tecoma.		Tonopah.		Winne- muca.		
		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.			
1.....	49	24	60	38	61	34	61	38	70	47	65	42	65	42	67	37	68	36	40	33	58	37	72	26	58	41	60	34
2.....	44	13	45	29	56	22	43	21	50	32	55	32	51	27	50	11	61	32	41	27	44	32	70	21	49	29	43	27
3.....	54	24	46	22	42	12	47	14	59	22	50	24	54	16	56	10	61	20	51	20	54	29	70	12	53	25	53	21
4.....	50	32	58	32	67	24	57	27	72	30	55	26	58	27	56	20	67	30	64	33	61	38	72	10	59	36	64	32
5.....	50	23	63	35	68	28	60	33	66	44	61	43	64	11	55	22	70	32	58	44	51	33	71	14	60	34	54	31
6.....	54	24	42	25	52	16	42	11	55	19	54	29	74	16	63	20	62	28	50	14	53	23	70	18	47	25	52	17
7.....	54	31	45	24	57	23	48	18	59	17	51	24	64	15	56	20	60	25	57	14	56	25	70	8	49	27	57	20
8.....	51	25	51	25	51	24	48	24	60	34	56	32	61	23	58	32	60	30	54	26	60	33	68	11	50	33	57	33
9.....	62	29	51	26	65	24	56	22	65	25	59	35	66	32	62	16	65	25	62	16	65	28	70	10	56	34	64	24
10....	73	30	58	27	70	27	62	31	75	26	65	28	75	25	70	20	72	29	73	33	67	8	63	40	72	32		
11....	74	31	66	28	76	27	65	32	79	42	64	27	78	30	71	22	75	35	77	25	69	37	69	5	65	41	75	35
12....	69	31	60	30	74	27	66	31	77	41	66	45	72	29	72	38	76	27	68	46	75	9	64	41	75	33		
13....	66	33	58	40	75	34	67	46	71	40	62	41	76	28	69	30	70	40	72	35	58	35	74	12	60	43	73	42
14....	64	31	40	37	80	31	58	32	53	36	51	30	61	27	54	35	74	37	67	41	43	34	73	15	48	25	64	35
15....	55	27	53	29	62	24	54	23	60	29	51	20	60	31	58	24	72	39	55	32	58	34	72	25	49	21	56	33
16....	72	31	67	28	70	27	62	31	63	34	61	27	61	28	67	32	70	38	63	26	55	34	73	40	56	35	60	33
17....	69	32	63	30	73	29	62	30	73	29	59	29	64	27	65	28	72	39	72	31	67	33	74	13	58	34	72	38
18....	61	30	50	35	65	30	45	31	56	39	54	29	55	25	54	35	67	37	67	41	50	37	72	34	44	30	50	40
19....	62	33	59	36	66	34	57	26	63	28	60	30	65	28	60	26	70	34	57	32	63	29	72	39	56	33	59	34
20....	68	32	63	35	71	33	62	22	71	33	58	28	75	30	65	26	70	36	67	37	70	12	58	37	67	36		
21....	59	24	67	31	72	20	66	30	74	34	64	35	74	29	70	24	70	35	70	31	70	38	72	19	61	43	70	35
22....	49	19	59	37	62	30	61	32	70	38	68	35	65	38	65	34	79	34	66	31	61	38	73	28	58	39	55	33
23....	64	32	47	20	58	20	50	17	62	29	61	36	63	29	61	26	78	35	67	20	64	31	72	16	57	30	58	25
24....	70	34	60	32	63	20	62	23	72	26	69	40	73	27	68	23	79	36	70	31	71	34	70	28	65	39	68	29
25....	79	34	67	34	74	24	71	30	80	36	72	41	79	33	74	30	80	37	78	33	77	39	70	19	70	47	75	36
Mns..	59.9	28.1	57.7	31.7	64.7	25.0	57.9	27.6	66.1	32.5	60.8	32.8	65.9	27.4	63.5	26.7	69.7	35.2	62.6	28.9	59.7	33.5	72.23	18.2	57.4	35.3	61.8	31.5

Date.	Wyoming.				Weston, Idaho.	Utah.																					
	Border.		Evanston.			Corinne.		Fillmore.		Govern- ment Creek.		Meadow- ville.		Modena.		Oak City.		Ogden.		Provo.		Parowan.		Salt Lake City.			
	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1.....	52	31	56	31	61	41	64	42	73	47	68	45	58	34	66	36	74	55	67	45	75	37	69	40	67	45	
2.....	43	29	54	28	50	32	60	38	49	32	56	31	43	29	54	38	60	32	48	31	60	41	52	32	48	32	
3.....	39	26	34	20	49	29	58	32	50	30	46	27	42	20	51	27	58	26	46	30	50	30	48	24	48	32	
4.....	54	33	46	20	58	30	57	33	57	44	58	33	52	27	61	24	65	34	52	34	65	30	65	35	61	38	
5.....	61	28	55	28	67	42	65	37	60	40	62	35	63	28	55	33	64	34	65	33	68	34	68	34	68	44	
6.....	48	28	48	27	58	30	62	37	58	32	56	24	52	29	50	33	42	31	46	32	43	23	54	23	44	33	
7.....	41	23	40	21	55	24	56	34	58	24	45	23	42	28	50	24	50	27	51	22	54	23	50	33	48	32	
8.....	45	18	40	13	54	22	58	27	55	28	50	25	45	21	52	20	55	28	54	26	55	22	53	23	50	32	
9.....	46	19	44	20	57	23	55	29	58	28	52	28	46	21	56	20	57	26	52	26	60	23	55	29	53	37	
10....	54	18	53	20	62	20	58	26	66	26	58	26	50	28	60	22	65	25	60	25	62	21	64	25	56	36	
11....	61	21	59	22	67	25	62	25	75	35	68	31	54	22	66	20	68	35	72	30	71	22	68	27	70	40	
12....	67	21	66	25	71	21	69	25	77	35	70	34	59	23	67	25	77	30	74	44	76	26	72	32	44	32	
13....	70	23	65	27	74	29	69	26	79	37	71	39	69	26	68	29	79	34	75	40	80	26	70	35	74	45	
14....	71	23	65	28	75	29	71	32	60	35	70	40	71	27	64	32	75	45	76	40	76	35	88	42	74	51	
15....	60	35	64	30	64	38	68	41	66	31	62	30	58	34	68	19	66	35	75	35	62	25	61	42			
16....	62	20	62	20	68	23	65	40	76	36	66	34	57	23	64	24	74	40	75	29	75	25	68	30			